

# Memorandum

**Date:** December 29, 2000  
**Telephone:** ATSS (916) 654-4996  
**File:** Huntington Beach

**To:** William J. Keese, Chairman  
Robert Pernel, Commissioner  
Michal C. Moore, Ph.D, Commissioner  
Robert A. Laurie, Commissioner  
Art Rosenfeld, Commissioner

**From:** California Energy Commission  
1516 Ninth Street  
Sacramento, CA 95814-5512

**Subject:** DATA ADEQUACY RECOMMENDATION FOR THE HUNTINGTON BEACH  
GENERATING STATION RETOOL PROJECT - (00-AFC-13)

The staff has completed its data adequacy review of the AFC submitted on December 1, 2000. I have determined that the AFC does not contain all the information required by Cal. Code of Regs., tit. 20, § 1704, Appendix B. Attachment A contains an overview of whether each technical discipline evaluated is adequate or inadequate. Attachment B contains staff's detailed data adequacy worksheets which describe staff's findings for each information requirement. We expect to receive a letter on January 12, 2001 from the South Coast Air Quality Management District documenting their completeness review and findings.

At the Energy Commission's business meeting on January 10, 2001, I will be recommending that the Energy Commission not accept the AFC until all the additional information specified in Attachment B is supplied. Pursuant to Cal. Code of Regs., tit. 20, § 1709 (c), if the Energy Commission accepts my recommendation, the Energy Commission shall indicate, in writing, those parts of the AFC which fail to meet the information requirements and the manner in which it can be made complete.

AES Huntington Beach, LLC's AFC cover letter dated December 1, 2000, states that AES is committed to bringing the Retool Project online by June 1, 2001. We are unclear as to whether AES is requesting a six month AFC review process, or whether this AFC has been filed for review under the Commission's standard twelve month process. If AES intends to pursue the six month process enacted as Fast Track Emergency Regulations, there are additional information requirements in addition to those listed in Appendix B. Key additional requirements include:

- A demonstration that the applicant owns, or has a binding option to own, all air emission offsets;
- A transmission interconnection study identifying the electrical system impacts performed by or for the transmission owner; and
- A will-serve letter or similar document from each provider of water to the project, indicating each entity's willingness to provide water to the project.

We have sent the complete text of the Fast Track Emergency Regulations and related information requirements to AES.

If you have any questions, please contact Eileen Allen, staff's Project Manager, at (916) 654-4082.

Sincerely,

STEVE LARSON  
Executive Director

SL:EA:ea

Attachments

cc: Ed Blackford, AES  
Jeremy Rowland, URS  
Matthew Lamb, City of Huntington Beach

**ATTACHMENT A**  
**OVERVIEW OF ENERGY COMMISSION STAFF'S**  
**DATA ADEQUACY DETERMINATION**  
**Huntington Beach Generating Station Retool Project**  
**00-AFC-13**

<b>TECHNICAL AREA</b>	<b>ATTACHMENT B PAGE No.</b>	<b>ADEQUATE?</b>
<b>AIR QUALITY .....</b>	<b>1</b>	<b>NO</b>
<b>ALTERNATIVES.....</b>	<b>6</b>	<b>YES</b>
<b>BIOLOGICAL RESOURCES .....</b>	<b>7</b>	<b>NO</b>
<b>CULTURAL RESOURCES .....</b>	<b>11</b>	<b>NO</b>
<b>EFFICIENCY .....</b>	<b>14</b>	<b>NO</b>
<b>FACILITY DESIGN .....</b>	<b>16</b>	<b>NO</b>
<b>GEOLOGICAL HAZARDS.....</b>	<b>19</b>	<b>NO</b>
<b>HAZARDOUS MATERIALS HANDLING.....</b>	<b>21</b>	<b>NO</b>
<b>LAND USE .....</b>	<b>23</b>	<b>NO</b>
<b>NOISE .....</b>	<b>26</b>	<b>NO</b>
<b>PALEONTOLOGICAL RESOURCES.....</b>	<b>29</b>	<b>NO</b>
<b>PROJECT OVERVIEW .....</b>	<b>32</b>	<b>NO</b>
<b>PUBLIC HEALTH .....</b>	<b>36</b>	<b>NO</b>
<b>RELIABILITY .....</b>	<b>38</b>	<b>NO</b>
<b>SOCIOECONOMICS.....</b>	<b>40</b>	<b>NO</b>
<b>SOILS .....</b>	<b>44</b>	<b>NO</b>
<b>T-LINE SAFETY AND NUISANCE. ....</b>	<b>46</b>	<b>YES</b>
<b>TRAFFIC AND TRANSPORTATION.....</b>	<b>49</b>	<b>NO</b>
<b>TRANSMISSION SYSTEM ENG. ....</b>	<b>52</b>	<b>NO</b>
<b>VISUAL RESOURCES .....</b>	<b>55</b>	<b>NO</b>
<b>WASTE MANAGEMENT .....</b>	<b>60</b>	<b>NO</b>
<b>WATER RESOURCES .....</b>	<b>63</b>	<b>NO</b>
<b>WORKER SAFETY .....</b>	<b>66</b>	<b>NO</b>

## **ATTACHMENT B**

### **ENERGY COMMISSION STAFF'S List of Data Inadequacies**

**Huntington Beach Generating Station Retool Project  
00-AFC-13**

December 29, 2000

Adequacy Issue: Adequate: \_\_\_\_\_ Inadequate:   X  

## DATA ADEQUACY WORKSHEET

Revision No.   0   Date: December 15, 2000

Technical Area: **Air Quality**  
Project Manager: Eileen Allen

Huntington Beach Generating Station  
Project: Retool Project  
Docket: 00-AFC-13

Technical Staff: Gabriel D. Behymer  
Technical Senior: Keith Golden

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Sections 5.2.1 (p. 5.2-2) 5.2.2 (p. 5.2-5) 5.2.3 (p. 5.2-14) 5.2.4 (p. 5.2-15) Appendix D	Yes	
Appendix B (g) (8) (A)	The information necessary for the air pollution control district where the project is located to complete a Determination of Compliance.		No	<b>Please provide a letter from SCAQMD indicating the application is complete.</b>
Appendix B (g) (8) (B)	The heating value and chemical characteristics of the proposed fuels, the stack height and diameter, the exhaust velocity and temperature, the heat rate and the expected capacity factor of the proposed facility.	Section 3.4.1 (p. 3.4-1) Appendix C4 and C6	Yes	
Appendix B (g) (8) (C)	A description of the control technologies proposed to limit the emission of criteria pollutants.	Sections 3.4.10 (p. 3.4-12) 5.2.5.9.2 (p. 5.2-24)	Yes	
Appendix B (g) (8) (D)	A description of the cooling system, the estimated cooling tower drift rate, the rate of water flow through the cooling tower, and the maximum concentrations of total dissolved solids.	Sections 3.4.4 (p. 3.4-3) 5.5.1.1.3 (p. 5.5-7) Figure 5.5-4 Appendix A	Yes	
Appendix B (g) (8) (E)	The emission rates of criteria pollutants from the stack, cooling towers, fuels and materials handling processes, delivery and storage systems, and from all secondary emission sources.	Section 5.15 (p. 5.15-1) Appendix C6	Yes	
Appendix B (g) (8) (F)	A description of typical operational modes, and start-up and shutdown modes for the proposed project, including the estimated frequency of occurrence and duration of each mode, and estimated emission rate for each criteria pollutant during each mode.	Section 5.2.2.2 (p. 5.2-6) Table 5.2-11, 12 & 13 Appendix C	Yes	

Adequacy Issue: Adequate: \_\_\_\_\_ Inadequate:   X  

## DATA ADEQUACY WORKSHEET

Revision No.   0   Date: December 15, 2000

Technical Area: **Air Quality**  
Project Manager: Eileen Allen

Huntington Beach Generating Station  
Project: Retool Project  
Docket: 00-AFC-13

Technical Staff: Gabriel D. Behymer  
Technical Senior: Keith Golden

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (8) (G)	The ambient concentrations of all criteria pollutants for the previous three years as measured at the three Air Resources Board certified monitoring stations located closest to the project site, and an analysis of whether this data is representative of conditions at the project site. The applicant may substitute an explanation as to why information from one, two, or all stations is either not available or unnecessary.	Section 5.2.1.3 (p. 5.2-4) Tables 5.2-4 through 8	Yes	
Appendix B (g) (8) (H)	One year of meteorological data collected from either the Federal Aviation Administration Class 1 station nearest to the project or from the project site, or meteorological data approved by the California Air Resources Board or the local air pollution control district.		No	<b>Please provide the meteorological data indicated. This data is part of the air dispersion modeling files, and can be provided on CD-R.</b>
Appendix B (g) (8) (H) (i)	If the data is collected from the project site, the applicant shall demonstrate compliance with the requirements of the U.S. Environmental Protection Agency document entitled "On-Site Meteorological Program Guidance for Regulatory Modeling Applications" (EPA - 450/4-87-013 (August 1995), which is incorporated by reference in its entirety.)	N/A	N/A	N/A
Appendix B (g) (8) (H) (ii)	The data shall include quarterly wind tables and wind roses, ambient temperatures, relative humidity, stability and mixing heights, upper atmospheric air data, and an analysis of whether this data is representative of conditions at the project site.	Section 5.2.1.1 (p. 5.2-2) Tables 5.2-1 & 2 Appendix C1 & C2	Yes	
Appendix B (g) (8) (I)	An evaluation of the project's direct and cumulative air quality impacts, consisting of the following:	---	---	---

Adequacy Issue: Adequate: \_\_\_\_\_ Inadequate:   X  

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Revision No.   0   Date: December 15, 2000

Technical Area: **Air Quality**  
Project Manager: Eileen Allen

Huntington Beach Generating Station  
Project: Retool Project  
Docket: 00-AFC-13

Technical Staff: Gabriel D. Behymer  
Technical Senior: Keith Golden

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (8) (I) (i)	A screening level air quality modeling analysis, or a more detailed modeling analysis if so desired by the applicant, of the direct inert pollutant impacts of project construction activities on ambient air quality conditions, including fugitive dust (PM <sub>10</sub> ) emissions from grading, excavation and site disturbance, as well as the combustion emissions [nitrogen oxides (NO <sub>x</sub> ), sulfur dioxide (SO <sub>2</sub> ), carbon monoxide (CO), and particulate matter less than 10 microns in diameter (PM <sub>10</sub> )] from construction-related equipment;	Section 5.2.2.3 (p. 5.2-7) Tables 5.2-10 & 14 Appendix B1 & C3	Yes	
Appendix B (g) (8) (I) (ii)	A screening level air quality modeling analysis, or a more detailed modeling analysis if so desired by the applicant, of the direct inert criteria pollutant (NO <sub>x</sub> , SO <sub>2</sub> , CO and PM <sub>10</sub> ) impacts on ambient air quality conditions of the project during typical (normal) operation, and during shutdown and startup modes of operation. Identify and include in the modeling of each operating mode the estimated maximum emissions rates and the assumed meteorological conditions; and	Section 5.2.2.3 (p. 5.2-7) Tables 5.2-11, 12, 13, 14, 15 & 16 Appendix B1	Yes	
Appendix B (g) (8) (I) (iii)	A protocol for a cumulative air quality modeling impacts analysis of the project's typical operating mode in combination with other stationary emissions sources within a six mile radius which have received construction permits but are not yet operational, or are in the permitting process. The cumulative inert pollutant impact analysis should assess whether estimated emissions concentrations will cause or contribute to a violation of any ambient air quality standard.	Section 5.2.3 (p. 5.2-14)	Yes	
Appendix B (g) (8) (J)	If an emission offset strategy is proposed to mitigate the project's impacts under subsection (g)(1), provide the following information:	---	---	---
Appendix B (g) (8) (J) (i)	The quantity of offsets needed;	Section 5.2.4 (p. 5.2-15) Table 5.2-13	Yes	

Adequacy Issue: Adequate: \_\_\_\_\_ Inadequate:   X  

## DATA ADEQUACY WORKSHEET

Revision No.   0   Date:   December 15, 2000  

Technical Area:   Air Quality    
 Project Manager:   Eileen Allen  

Huntington Beach Generating Station  
 Project:   Retool Project    
 Docket:   00-AFC-13  

Technical Staff:   Gabriel D. Behymer    
 Technical Senior:   Keith Golden  

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (8) (J) (ii)	Potential offset sources, including location, and quantity of emission reductions; and	Section 5.2.4 (p. 5.2-15) Appendix D	No	<b>Please discuss the potential offset sources, including location, and quantity of emission reductions. Please provide documentation of correspondence between the applicant and owners of offsets that demonstrates a willingness to pursue negotiations.</b>  <b>Appendix D states that AES is working with an offset broker. The broker's negotiations may be confidential. The Commission will consider a request for confidentiality on the information required above.</b>
Appendix B (g) (8) (J) (iii)	Method of emission reduction.	Section 5.2.4 (p. 5.2-15) Appendix D, p. D-2	No	<b>For PM10, please discuss in greater detail the mitigation project(s) mentioned on p. D-2. Please discuss the approach and timing for the mitigation project(s).</b>
Appendix B (g) (8) (K)	A topographic map containing contour and elevation data, at a scale of 1:24,000, showing the area within 6 miles of the power plant site.		No	<b>The map provided is 1:50,000 scale. Please provide a topographic map containing contour and elevation data, at a scale of 1:24,000, showing the area within 6 miles of the power plant site.</b>
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Section 5.2.5.9.1 (p. 5.2-20)	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.		No	<b>Please provide the indicated table.</b>

Adequacy Issue: Adequate: \_\_\_\_\_ Inadequate:   X  

## DATA ADEQUACY WORKSHEET

Revision No.   0   Date: December 15, 2000

Technical Area: **Air Quality**  
Project Manager: Eileen Allen

Huntington Beach Generating Station  
Project: Retool Project  
Docket: 00-AFC-13

Technical Staff: Gabriel D. Behymer  
Technical Senior: Keith Golden

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 5.2.5.9.1 (p. 5.2-20)	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Section 5.2.6 (p. 5.2-30)	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Section 5.2.7 (p. 5.2-30)	<b>No</b>	<b>Though the required permits are discussed, no dates are give. Please indicate the “steps the applicant has taken...” to obtain the permits, including dates.</b>

Adequacy Issue: Adequate ☒ Inadequate ☐  
 Technical Area: **Alternatives**  
 Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Huntington Beach Generating Station  
Retool Project  
 Docket: 00-AFC-13

Revision No. 0 Date 12/22/00  
 Technical Staff: Eileen Allen  
 Technical Senior: Roger Johnson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (b) (1) (D)	A description of how the site and related facilities were selected and the consideration given to engineering constraints, site geology, environmental impacts, water, waste and fuel constraints, electric transmission constraints, and any other factors considered by the applicant.	p.3-11-2 through 3-11-4, Section 3.0	Yes	
Appendix B (f) (1)	A discussion of the range of reasonable alternatives to the project, or to the location of the project, including the no project alternative, which would feasibly attain most of the basic objectives of the project but would avoid or substantially lessen any of the significant effects of the project, and an evaluation of the comparative merits of the alternatives. In accordance with Public Resources Code section 25540.6(b), a discussion of the applicant's site selection criteria, any alternative sites considered for the project, and the reasons why the applicant chose the proposed site.	p.3-11-2 through 3-11-4, Section 3.0	Yes	
Appendix B (f) (2)	An evaluation of the comparative engineering, economic, and environmental merits of the alternatives discussed in subsection (f)(1).	p.3.11-1 through 3.11-4, Section 3.0	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   x    
 Technical Area: **Biological Resources**  
 Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Huntington Beach Generating Station  
Retool Project  
 Docket: 00-AFC-13

Revision No.   1   Date December 27, 2000  
 Technical Staff: Rick York  
 Technical Senior: Dr. Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Existing site conditions: Sec. 5-6, pg. 5.6-1  Impacts: Sec. 5.6.2.1, pgs. 5.6-8, 9  Mitigation & Monitoring: Sec. 5.6.3	YES  NO  YES	Applicant only provided historic (1979-80) entrainment data specific to Ormond Beach and San Onofre power plants, not specific to HBGS. Only 1978 – 80 impingement data provided for HBGS. 12 studies were done in 1999, however information about the nature of these surveys is not adequate to determine if useful. Current impingement and entrainment data are needed. Please provide benthic sampling data and fish sampling data for the region of the current outfall. Also, please provide a discussion of the project's anticipated thermal plume and expected impacts to biological resources.
Appendix B (g) (13) (A)	A regional overview and discussion of biological resources, with particular attention to sensitive biological resources near the project and a map at a scale of 1:100,000 (or some other suitable scale) showing their location in relation to the project.	Regional bio overview:  1:100,000 scale map & sensitive species: not provided	YES  NO	Please provide a 1:100,000 scale map that identifies the region's sensitive species and their habitats in relation to the proposed project.
Appendix B (g) (13) (B)	A discussion and detailed maps at a scale of 1:6,000, of the biological resources at the site of the proposed project and related facilities, and in areas adjacent to them, out to a mile from the site and 1000 feet from the outer edge of linear facility corridors. Include a list of the species actually observed and those with a potential to occur. The discussion and maps shall address the distribution of community types, den or nesting sites, population concentrations, migration corridors, breeding habitats, and the presence of sensitive biological resources.	1:6000 scale maps: Figure 5.6-1  Maps of project region out to one mile: Fig. 5.6-2  List of species seen during field surveys: not provided	YES  YES  NO	Please provide a list of plant and animal species seen during actual field surveys.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   x    
 Technical Area: **Biological Resources**  
 Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Huntington Beach Generating Station  
Retool Project  
 Docket: 00-AFC-13

Revision No.   1   Date December 27, 2000  
 Technical Staff: Rick York  
 Technical Senior: Dr. Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (13) (C)	A description of all studies and surveys used to provide biological information about the project site, including seasonal surveys and copies of the California Department of Fish and Game's Natural Diversity Data Base Survey Forms, "California Native Species Field Survey Forms", and "California Natural Community Field Survey Forms", completed by the applicant. Include the dates and duration of the studies, methods used to complete the studies, and the names and qualifications of individuals conducting the studies.	Studies: Sec. 5.6.1.1, pg. 5.6-1  Names and qualifications of those completing biological resource studies: not provided	YES  NO	Please provide a list of names and qualification of those individuals involved in completing the biological resource surveys and analyses.
Appendix B (g) (13) (D)	A discussion of all permanent and temporary impacts to biological resources from site preparation, construction activities, and plant operation. Discussion of impacts must consider impacts from cooling tower drift, and from the use and discharge of water during construction and operation. For facilities which use once-through cooling or take or discharge water directly from or to natural sources, discuss impacts resulting from entrainment, impingement, thermal discharge, effluent chemicals, type of pump (if applicable), temperature, volume and rate of flow at intake and discharge location, and plume configuration in receiving water.	Impacts: Sec. 5.6.2, pgs. 5.6-8 to 10.  Once-through cooling: Sec. 5.6.2.2	NO  NO	Applicant only provided historic (1979-80) entrainment data specific to Ormond Beach and San Onofre power plants, not specific to HBGS. Only 1978 – 80 impingement data provided for HBGS. 12 studies were done in 1999, however information about the nature of these studies is not adequate to determine if useful. Current impingement and entrainment data are needed. Please provide benthic sampling data and fish sampling data for the region of the current outfall. Also, please provide a discussion of the project's anticipated thermal plume and expected impacts to biological resources.  See above
Appendix B (g) (13) (E)	A discussion of the following:	--	--	--
Appendix B (g) (13) (E) (i)	All measures proposed to avoid and/or reduce any adverse impacts;	Avoidance measures: Sec. 5.6.2.2, pg. 5.6-8	YES	
Appendix B (g) (13) (E) (ii)	All measures proposed to mitigate any adverse impacts, including any proposals for off-site mitigation; and	Mitigation measures: Sec. 5.6-3, pg. 5.6-9	YES	
Appendix B (g) (13) (E) (iii)	Any educational programs proposed to enhance employee awareness in order to protect biological resources.	Educational programs:	N/A	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   x    
 Technical Area: **Biological Resources**  
 Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Huntington Beach Generating Station  
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Revision No.   1   Date December 27, 2000  
 Technical Staff: Rick York  
 Technical Senior: Dr. Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (13) (F)	A discussion of compliance and monitoring programs proposed to ensure the effectiveness of mitigation measures incorporated into the project.	Compliance monitoring:	N/A	
Appendix B (g) (13) (G)	A discussion of native fish and wildlife species of commercial and/or recreational value that could be impacted by the project.	Commercial & recreational species: Sec. 5.5 and 5.6	YES	
Appendix B (g) (13) (H)	For purposes of this section, sensitive biological resources are one of the following:	--	--	--
Appendix B (g) (13) (H) (i)	Species listed under state or federal Endangered Species Acts;	Listed species: Table 5.6-1	YES	
Appendix B (g) (13) (H) (ii)	Resources defined in sections 1702 (q) and (v) of Title 20 of the California Code of Regulations; and	Listed species: Table 5.6-1	YES	
Appendix B (g) (13) (H) (iii)	Species or habitats identified by legislative acts as requiring protection.	Listed species: Table 5.6-1	YES	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	LORS table: Sec. 5.6.5, Table 7.0	YES	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Agency jurisdiction/permit table: Table 7.1-1	YES	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Discussion of conformity with LORS	YES	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   x    
 Technical Area: **Biological Resources**  
 Project Manager: Eileen Allen

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Project: Huntington Beach Generating Station  
Retool Project  
 Docket: 00-AFC-13

Revision No.   1   Date December 27, 2000  
 Technical Staff: Rick York  
 Technical Senior: Dr. Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Agency contacts: Sec. 7.0	YES	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Permit schedule: not provided	NO	Please provide a schedule that indicates when biological resource permits outside the CEC authority will be provided. If none are necessary, please provide reason(s).

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   X    
 Technical Area: **Cultural Resources**  
 Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Huntington Beach Generating Station  
Retool Project  
 Docket: 00-AFC-13

Revision No.   0   Date   12/22/00    
 Technical Staff: Dorothy Torres  
 Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	AFC, p. 5.7-2 & 5.7-9 to 5.7-10  AFC, p. 5.7-10  Confidential Appendix, submitted 12/21/00 p. 11-12.	YES	
Appendix B (g) (2) (A)	A brief summary of the ethnology, prehistory, and history of the region in which the project site and related facilities are located and maps at a scale of 1:24,000, indicating areas of ethnographic occupation. The region may vary depending on the extent of the territory occupied or used by prehistoric cultures indigenous to the area in which the project is located.	AFC p. 5.7-3 to 5.7-6  AFC fig 5.7-1	YES	
Appendix B (g) (2) (B)	A description of all literature searches and field surveys used to provide information about known cultural resources in the project vicinity. If survey records of the area potentially physically affected by the project are not available, and the area has the potential for containing significant cultural resources, the applicant shall submit a new or revised survey for any portion of the area lacking comprehensive survey data. A discussion of the dates of the surveys, methods used in completing the surveys, and the identification and qualification of the individuals conducting the surveys shall be included.	AFC p. 5.7-6 to 5.7-8  AFC p. 5.7-7 to 5.7-8  AFC p. 5.7-7 to 5.7-8	No	Please characterize the property and/or built environment adjacent to the project Area of Potential Effect (APE).

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   X    
 Technical Area: **Cultural Resources**  
 Project Manager: Eileen Allen

# DATA ADEQUACY WORKSHEET

Project: Huntington Beach Generating Station  
Retool Project  
 Docket: 00-AFC-13

Revision No.   0   Date   12/22/00    
 Technical Staff: Dorothy Torres  
 Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (2) (C)	A discussion of the sensitivity of the project area described in subsection (g)(2)(A) and the presence and significance of any known archeological sites and other cultural resources that may be affected by the project. Information on the specific location of archeological resources shall be included in a separate appendix to the application and submitted to the Commission under a request for confidentiality pursuant to Title 20, California Code of Regulations, § 2501 et seq.	AFC p. 5.7-9 to 5.7-10  Confidential Appendix, submitted 12/21/00	YES	
Appendix B (g) (2) (D)	A summary of contacts and communications with, and responses from, Native American representatives who may have an interest in heritage lands and/or resources potentially affected by the proposed project.	Confidential Appendix, submitted 12/21/00 p.3 and Appendix D	YES	
Appendix B (g) (2) (E)	In the discussion on mitigation and monitoring prepared pursuant to subsection (g)(1), a discussion of any educational programs proposed to enhance awareness of potential impacts to archeological resources by employees and contractors, measures proposed for mitigation of impacts to known cultural resources, and a set of contingency measures for mitigation of potential impacts to previously unknown cultural resources.	AFC Table 7.1-1, Section 7.5-8  Confidential Appendix. Submitted 12/21/00 p13	YES	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	AFC, Table 7.1-1, Section 7.5-8  AFC, Table 7.1-1, Section 7.5-8	NO	Please provide a discussion of the applicability of local law. Please revise the discussion of CEQA law in the AFC to reflect recent changes as of 2000.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   X  

# DATA ADEQUACY WORKSHEET

Revision No.   0   Date   12/22/00  

Technical Area: **Cultural Resources**

Project: Huntington Beach Generating Station  
Retool Project

Technical Staff: Dorothy Torres

Project Manager: Eileen Allen

Docket: 00-AFC-13

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	AFC, Table 7.1-1, Section 7.5-8	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Confidential Appendix, submitted 12/21/00 p. 12-14	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	AFC Table 7.0	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.		No	If no permits are necessary, please make that statement.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X  
 Technical Area: **Efficiency**  
 Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Huntington Beach Generating Station  
Retool Project  
 Docket: 00-AFC-13

Revision No. 0 Date December 15, 2000  
 Technical Staff: Steve Baker  
 Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	§§ 1.1, 1.2, 1.3.1, 1.3.2, 1.3.3, 2.1, 2.2, 2.3, 3.1, 3.4.1, 3.4.2, 3.4.3, 3.4.6, 3.5.1, 3.7.1, 3.9.1, 3.9.2.1, 3.9.2.1.1, 3.9.2.1.2, 3.9.2.1.3, 3.9.2.6, 3.9.2.6.3, 3.9.4, 3.11.2.1, 3.11.2.3, 3.11.5, 4.3.3; Appendix A	Yes	
Appendix B (i) (4) (A)	Heat and mass balance diagrams for design conditions for each mode of operation.	Appendix A	Yes	
Appendix B (i) (4) (B)	Annual fuel consumption in BTUs for each mode of operation.	Not Found	No	Provide an estimate of annual project fuel consumption.
Appendix B (i) (4) (C)	Annual net electrical energy produced in MWh for each mode of operation.	Not Found	No	Provide an estimate of annual project electrical energy production.
Appendix B (i) (4) (D)	Number of hours the plant will be operated in each mode of operation in each year.	§§ 1.3.2, 3.4.1, 3.9.1, 3.9.2.1.1, 3.9.2.6	Yes	
Appendix B (i) (4) (E)	If the project will be a cogeneration facility, calculations showing compliance with applicable efficiency and operating standards.	N/A	N/A	
Appendix B (i) (4) (F)	A discussion of alternative generating technologies available for the project, including the projected efficiency of each, and an explanation why the chosen equipment was selected over these alternatives.	§§ 3.11.2.1, 3.11.2.3, 3.11.5	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   X    
 Technical Area: **Efficiency**  
 Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Huntington Beach Generating Station  
Retool Project  
 Docket: 00-AFC-13

Revision No.   0   Date December 15, 2000  
 Technical Staff: Steve Baker  
 Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 7.1-1	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 7.1-1	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	N/A	N/A	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 7.1-1	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	N/A	N/A	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   X    
 Technical Area: **Facility Design**  
 Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Huntington Beach Generating Station  
 Retool Project  
 Docket: 00-AFC-13

Revision No. \_\_\_\_\_ Date 12/7/00  
 Technical Staff: Robert Anderson & Kisabuli  
 Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (14) (B) (iii)	Water inundation zones, such as the 100-year flood plain and tsunami run-up zones.	Pages 5.5-17 and 18; Section 5.5.1.1.4	Yes	
Appendix B (g) (14) (D) (i)	Precipitation and storm runoff patterns; and	Page 5.5-17: Section 5.5.1.1.4	Yes	
Appendix B (g) (14) (D) (ii)	Drainage facilities and design criteria.	Page 5.5-10; Section 5.5.1.1.3 and Page 5.5-17: Section 5.5.1.1.4	Yes	
Appendix B (g) (14) (E) (ii)	The effects of construction activities and plant operation on water quality; and	See Water Resources Sheets		
Appendix B (g) (14) (iii)	The effects of the project on the 100-year flood plain or other water inundation zones.	Pages 5.5-17 and 18; Section 5.5.1.1.4	No	Please use current FEMA determinations for the flood zone discussion rather than the City of Huntington Beach 1996 General Plan.
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 7.1-1	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 7.1-1	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Table 7.1-1	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   X    
 Technical Area: **Facility Design**  
 Project Manager: Eileen Allen

# DATA ADEQUACY WORKSHEET

Project: Huntington Beach Generating Station  
 Retool Project  
 Docket: 00-AFC-13

Revision No. \_\_\_\_\_ Date 12/7/00  
 Technical Staff: Robert Anderson & Kisabuli  
 Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (3)	The name, title, telephones number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 7.1-1	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Section 7	No	Please provide a schedule, if any, indicating when permits outside the authority of the commission will be obtained and the steps that have been taken to obtain such permits.
Appendix B (i) (1) (A)	A description of the site conditions and investigations or studies conducted to determine the site conditions used as the basis for developing design criteria. The descriptions shall include, but not be limited to, seismic and other geologic hazards, adverse conditions that could affect the project's foundation, adverse meteorological and climatic conditions, and flooding hazards, if applicable.	Section 3.3	Yes	
Appendix B (i) (1) (B)	A discussion of any measures proposed to improve adverse site conditions.	Section 5.3	Yes	
Appendix B (i) (1) (C)	A description of the proposed foundation types, design criteria (including derivation), analytical techniques, assumptions, loading conditions, and loading combinations to be used in the design of facility structures and major mechanical and electrical equipment.		No	Please provide information on inspections performed to ascertain the soundness of the existing foundations to continue to adequately support generating equipment. What remedial work is required on these foundations? Provide engineering criteria that will be used on any foundation work required. Provide foundation information on SCR, forced draft fans, and the polishing system.
Appendix B (i) (1) (D)	For each of the following facilities and/or systems, provide a description including drawings, dimensions, surface-area requirements, typical operating data, and performance and design criteria for protection from impacts due to adverse site conditions:	See below	See below	
Appendix B (i) (1) (D) (i)	The power generation system;	Sections 3.4.3.	Yes	
Appendix B (i) (1) (D) (ii)	The heat dissipation system;	Section 3.4.4, 3.4.7 and Appendix A	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   X  

Technical Area: **Facility Design**

Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Huntington Beach Generating Station  
Retool Project

Docket: 00-AFC-13

Revision No. \_\_\_\_\_ Date 12/7/00

Technical Staff: Robert Anderson & Kisabuli

Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (1) (D) (iii)	The cooling water supply system, and, where applicable, pre-plant treatment procedures;	Section 1.3.4 and 3.4.7	Yes	
Appendix B (i) (1) (D) (iv)	The atmospheric emission control system;	Sections 3.4.10, 5.2 and Appendices A and B.	Yes	
Appendix B (i) (1) (D) (v)	The waste disposal system and on-site disposal sites;	Sections 3.4.7.4, 3.4.9 and 3.7.3.	Yes	
Appendix B (i) (1) (D) (vii)	The geothermal resource conveyance and re-injection lines (if applicable);	N/A	N/A	
Appendix B (i) (1) (D) (viii)	Switchyards/transformer systems; and	Section 3.4.5	Yes	
Appendix B (i) (1) (D) (ix)	Other significant facilities, structures, or system components proposed by the applicant.	Section 3.0	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   X    
 Technical Area: **Geological Hazards**  
 Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Huntington Beach Generating Station  
Retool Project  
 Docket: 00-AFC-13

Revision No. \_\_\_\_\_ Date 12/4/00  
 Technical Staff: Robert Anderson  
 Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Page 5.3-1 Section 5.3.1, Page 5.3-7; Sections 5.3.2.2 through 5.3.4	Yes	
Appendix B (g) (17) (A)	A summary of the geology, seismicity, and geologic resources of the project site and related facilities;	Pages 5.3-1 through 5.3-4 , Sections 5.3.1.1 through 5.3.1.3	Yes	
Appendix B (g) (17) (B)	A map at a scale of 1:24,000 and description of all recognized stratigraphic units, geologic structures, and geomorphic features within 2 miles of the project site. Include an analysis of the likelihood of ground rupture, seismic shaking, mass wasting and slope stability, liquefaction, subsidence, and expansion or collapse of soil structures.	Figure 5.3-1 through Figure 5.3-6; Page 5.3-4 Section 5.3.1.4	No	Please provide a discussion regarding the potential for expansion or collapse of the on-site soils.
Appendix B (g) (17) (C)	A map and description of geologic resources of recreational, commercial, or scientific value which may be affected by the project. Include a discussion of the techniques used to identify and evaluate these resources.	Figure 5.3-1, Page 5.3-2; Section 5.3.1.1, and Page 5.3-5; Section 5.3.1.4	No	Please identify the technique(s) used to determine the presence of geological resources that may be affected by the project.
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 7.1-1	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X

Technical Area: **Geological Hazards**

Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Huntington Beach Generating Station  
Retool Project

Docket: 00-AFC-13

Revision No. \_\_\_\_\_ Date 12/4/00

Technical Staff: Robert Anderson

Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 7.1-1	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Page 5.3-7; Section 5.3.5	No	A discussion as to how the LORS identified in table 7.1-1 regarding geological hazards and resources are to be complied with needs to be provided.
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Not Applicable (N/A)	N/A	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   x    
 Technical Area: **Hazardous Materials Handling**  
 Project Manager: E.Allen

## DATA ADEQUACY WORKSHEET

Project: Huntington Beach Generating Station  
Retool Project  
 Docket: 00-AFC-13

Revision No.   0   Date   12/15/00    
 Technical Staff:   R. Tyler    
 Technical Senior:   R. Tyler  

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 5.15	Yes	
Appendix B (g) (10) (A)	A list of all materials used or stored on-site which are hazardous or acutely hazardous, as defined in Title 22, California Code of Regulations, § 66261.20 et seq., and a discussion of the toxicity of each material.	Section 5.15.2.2	Yes	
Appendix B (g) (10) (B)	A map at a scale of 1:24,000 depicting the location of schools, hospitals, day-care facilities, emergency response facilities and long-term health care facilities, within the area potentially affected by any release of hazardous materials.		No	Provide the appropriate map at a scale of 1:24,000.
Appendix B (g) (10) (C)	A discussion of the storage and handling system for each hazardous material used or stored at the site.	Section 5.15.3.2.1	Yes	
Appendix B (g) (10) (D)	The protocol that will be used in modeling potential consequences of accidental releases that could result in off site impacts. Identify the model(s) to be used, a description of all input assumptions, including meteorological conditions. The results of the modeling analysis can be submitted after the AFC is complete.		No	Provide either the protocol or model or a discussion of why a protocol or model is unnecessary.
Appendix B (g) (10) (E)	A discussion of whether a risk management plan (Health and Safety Code § 25531 et seq.) will be required, and if so, the requirements that will likely be incorporated into the plan.	Section 5.15.2.2.2	Yes	
Appendix B (g) (10) (F)	A discussion of measures proposed to reduce the risk of any release of hazardous materials.	Section 5.15.2.2.1	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   x    
 Technical Area: **Hazardous Materials Handling**  
 Project Manager: E.Allen

## DATA ADEQUACY WORKSHEET

Project: Huntington Beach Generating Station  
Retool Project  
 Docket: 00-AFC-13

Revision No.   0   Date   12/15/00    
 Technical Staff:   R. Tyler    
 Technical Senior:   R. Tyler  

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (10) (G)	A discussion of the fire and explosion risks associated with the project.	Section 5.17.2	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 7.1.1	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 7.1.1	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 7.5.15	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 7.1.1	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	NA	NA	No permits are required

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**

Technical Area: **Land Use**

Project Manager: Eileen Allen

# DATA ADEQUACY WORKSHEET

Project: Huntington Beach Generating Station  
Retool Project

Docket: 00-AFC-13

Revision No. 0 Date 12/14/00

Technical Staff: David Flores

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	AFC pg. 5.9-3 Sec. 5.9.1.2 AFC pg. 5.9-9 & 10 Sec. 5.9.2.4 AFC pg. 5.9-10 Sec. 5.9.3 AFC pg. 5.9-10 Sec. 5.9.4	YES	
Appendix B (g) (3) (A)	A discussion of existing land uses and current zoning at the site, land uses and land use patterns within one mile of the proposed site and within one-quarter mile of any project-related linear facilities. Include:	AFC pg. 5.9.3, 4, 5 & 6 Sec. 5.9.1.1.3 Sec. 5.9.1.2 Sec. 5.9.3.4, 5 & 6 Table 5.9-3, 4 & 5	YES	
Appendix B (g) (3) (A) (i)	An identification of residential, commercial, industrial, recreational, scenic, agricultural, natural resource protection, natural resource extraction, educational, religious, cultural, and historic areas, and any other area of unique land uses;	AFC Pg. 5.9.5 Sec. 5.9.1.2.1 Table 5.9-2	YES	
Appendix B (g) (3) (A) (ii)	A discussion of any trends in recent zoning changes and potential future land use development;	AFC pg. 5.9-3 Sec. 5.9.1.1.1 & 3 APPENDIX G	YES	
Appendix B (g) (3) (A) (iii)	Identification of all discretionary reviews by public agencies initiated or completed within 18 months prior to filing the application for those changes or developments identified in subsection (g)(3)(A)(ii); and	AFC pg. 5.9-3 Sec. 5.9.1.1.2	YES	
Appendix B (g) (3) (A) iv)	Legible maps of the areas identified in subsection (g)(3)(A) potentially affected by the project, on which existing land uses, jurisdictional boundaries, general plan designations, specific plan designations, and zoning have been clearly delineated.	Figure 5.9-1 Figure 5.9-2 Figure 5.9-3 Figure 5.9-4 Table 5.9-1 Table 5.9-4 Table 5.9-5	NO	Update Figures and/or Tables to reflect agricultural zoning for nursery facility within the affected area of the proposed project.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X

# DATA ADEQUACY WORKSHEET

Revision No. 0 Date 12/14/00

Technical Area: **Land Use**

Project: Huntington Beach Generating Station  
Retool Project

Technical Staff: David Flores

Project Manager: Eileen Allen

Docket: 00-AFC-13

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (3) (B)	A discussion of the compatibility of the proposed facilities with present and expected land uses, and conformity with any long-range land use plans adopted by any federal, state, regional, or local planning agency. The discussion shall identify the need, if any, for variances or any measures that would be necessary to make the proposal conform with permitted land uses	AFC pg. 5.9-8, 9 & 10 Sec. 5.9.2.3 & 4	YES	
Appendix B (g) (15) (B)	A map at a scale of 1:24,000 and written description of agricultural land uses found within all areas affected by the proposed project. The description shall include:	AFC pg. 5.9-4 Sec. 5.9.1.2 AFC pg. 5.9-9 Sec. 5.9.2.3 Section 7.5.9.2 Table 7.1-1	NO	Note: Only agriculturally zoned parcel is the Huntington Beach Nursery. Plants grown in containers. No cultivation occurring. Provide zoning of parcel and reflect parcel in Figures and Tables as reflected Appendix B (G) (3) (A) iv.  In that the project site does not include agricultural land, please explain the relevance of the Williamson Act discussion in Section 7.5.9.2 and in Table 7.1-1 (Section 7.5.4).
Appendix B (g) (15) (B) (i)	Crop types, irrigation systems, and any special cultivation practices; and		N/A	No effected agricultural usage within the project area.
Appendix B (g) (15) (B) (ii)	Whether farmland affected by the project is prime, of statewide importance, or unique as defined by the Natural Resource Conservation Service of the California Department of Conservation.	AFC pg. 5.4-1 & 2 Sec. 5.4.1.2 Figure 5.4-1	YES	
Appendix B (g) (15) (C)	An assessment of the effects of the proposed project on soil resources and agricultural land uses. This decision shall include:		N/A	No effected agricultural usage within the project area.
Appendix B (g) (15) (C) (ii)	Direct and indirect effects on agricultural land uses; and		N/A	No effected agricultural usage within the project area.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**

# DATA ADEQUACY WORKSHEET

Revision No. 0 Date 12/14/00

Technical Area: **Land Use**

Project: Huntington Beach Generating Station  
Retool Project

Technical Staff: David Flores

Project Manager: Eileen Allen

Docket: 00-AFC-13

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	AFC pg. 5.9-6 & 7 Sec. 5.9.1.3 Table 5.9-6 AFC pg.5.13-12 & 13 Sec. 5.13.5 AFC pg. 7-24 & 25 Sec. 7.5.9	YES	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	AFC pg. 7-24 & 25 Sec. 7.5.9 through 7.5.9.3	YES	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	AFC pg. 5.9-8 through 10 Sec. 5.9.2.3 & 4	YES	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Section 7	YES	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	AFC pg. 5.9-11 Sec. 5.9.6	YES	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X

Technical Area: **Noise**

Project Manager: Eileen Allen

# DATA ADEQUACY WORKSHEET

Project: Huntington Beach Generating Station  
Retool Project

Docket: 00-AFC-13

Revision No. 0 Date December 15, 2000

Technical Staff: Steve Baker

Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	§§ 1.3.5, 3.1, 3.8, 4.2.2; Chapter 5.12; Figure 5.12-1; § 7.5.12; Table 7.1-1	Yes	
Appendix B (g) (4) (A)	A land use map which identifies residences, hospitals, libraries, schools, places of worship, or other facilities where quiet is an important attribute of the environment within the area impacted by the proposed project. The area impacted by the proposed project is that area where there is a potential increase of 5 dB(A) or more, during either construction or operation, over existing background levels.	Figure 5.12-1	Yes	
Appendix B (g) (4) (B)	A description of the ambient noise levels at those sites identified under subsection (g)(4)(A) which the applicant believes provide a representative characterization of the ambient noise levels in the project vicinity, and a discussion of the general atmospheric conditions, including temperature, humidity, and the presence of wind and rain at the time of the measurements. The existing noise levels shall be determined by taking noise measurements for a minimum of 25 consecutive hours at a minimum of one site. Other sites may be monitored for duration at the applicant's discretion during the same 25-hour period. The results of the noise level measurements shall be reported in L <sub>eq</sub> (equivalent sound or noise level), L <sub>dn</sub> (day-night sound or noise level) or CNEL (Community Noise Equivalent Level) in units of dB(A). The L <sub>10</sub> , L <sub>50</sub> , and L <sub>90</sub> values (noise levels exceeded 10 percent, 50 percent, and 90 percent of the time, respectively) shall also be reported.	§§ 5.12.1.2; Tables 5.12-2, 5.12-3	No	Discuss the general atmospheric conditions, including temperature, humidity, and the presence of wind and rain, at the time of the ambient noise level measurements.
Appendix B (g) (4) (C)	A description of the major noise sources of the project, including the range of noise levels and the tonal and frequency characteristics of the noise emitted.	§§ 5.12.2.2, 5.12.2.3; Table 5.12-5	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   X  Technical Area: **Noise**Project Manager: Eileen Allen**DATA ADEQUACY WORKSHEET**Project: Huntington Beach Generating Station  
Retool ProjectDocket: 00-AFC-13Revision No.   0   Date December 15, 2000Technical Staff: Steve BakerTechnical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (4) (D)	An estimate of the project noise levels, during both construction and operation, at residences, hospitals, libraries, schools, places of worship or other facilities where quiet is an important attribute of the environment, within the area impacted by the proposed project.	§§ 5.12.2.2, 5.12.2.4; Tables 5.12-7, 5.12-8	Yes	
Appendix B (g) (4) (E)	An estimate of the project noise levels within the project site boundary during both construction and operation and the impact to the workers at the site due to the estimated noise levels.	§ 5.12.2.3; Table 5.12-8	Yes	
Appendix B (g) (4) (F)	The audible noise from existing switchyards and overhead transmission lines that would be affected by the project and estimates of the future audible noise levels that would result from existing and proposed switchyards and transmission lines. Noise levels shall be calculated at the property boundary for switchyards and at the edge of the rights-of-way for transmission lines.	§ 4.2.2	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Tables 5.12-9, 7.1-1	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 7.1-1	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   X  

DATA ADEQUACY WORKSHEET

Revision No.   0   Date   December 15, 2000  

Technical Area: **Noise**

Project:   Huntington Beach Generating Station  
Retool Project  

Technical Staff:   Steve Baker  

Project Manager:   Eileen Allen  

Docket:   00-AFC-13  

Technical Senior:   Steve Baker  

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	§§ 5.12.2.4, 5.12.2.5; Table 5.12-7	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 7.1-1	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	N/A	N/A	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X

Technical Area: **Paleontological Resources**

Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Huntington Beach Generating Station  
Retool Project

Docket: 00-AFC-13

Revision No. 0 Date 12/06/00

Technical Staff: Robert Anderson

Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Page 5.8-1; Section 5.8.1.1, Page 5.3-1, Section 5.3.1, Page 5.8-5; Section 5.8.2	No	Please describe how paleontological resources will be monitored and if discovered, assessed and mitigation measures identified and implemented.
Appendix B (g) (16) (A)	Identification of the physiographic province and a brief summary of the geologic setting, formations, and stratigraphy of the project area. The area may vary depending on the depositional history of the area.	Pages 5.8-2 and 5.8-3; Section 5.8.1.1.2	Yes	
Appendix B (g) (16) (B)	A discussion of the sensitivity of the project area described in subsection (g)(16)(A) and the presence and significance of any known paleontologic localities or other paleontologic resources within or adjacent to the project.	Not found	No	Provide a discussion regarding the paleontological significance and sensitivity of the geologic units within 1 mile of the project site.
Appendix B (g) (16) (C)	A summary of all literature searches and field surveys used to provide information about paleontologic resources in the project area described in subsection (g)(16)(A). Identify the dates of the surveys, methods used in completing the surveys, and the names and qualifications of the individuals conducting the surveys.	Pages 5.8-3 and 5.8-4; Section 5.8.1.2 through 5.8.1.2.2	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X

Technical Area: **Paleontological Resources**

Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Huntington Beach Generating Station  
Retool Project

Docket: 00-AFC-13

Revision No. 0 Date 12/06/00

Technical Staff: Robert Anderson

Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (16) (D)	Information on the specific location of known paleontologic resources, survey reports, locality records, and maps at a scale of 1:24,000, shall be included in a separate appendix to the Application and submitted to the Commission under a request for confidentiality, pursuant to Title 20, California Code of Regulations, § 2501 et seq.	Not found	No	Please provide a geologic map at a scale of 1:24,000 with the location of the Huntington Beach fossil locations or if no fossil locations are located within 1 mile of the project state so on the geologic map. Make sure that the location of the project is clearly located on the map. The map is to be submitted to the Energy Commission under a request for confidentiality, pursuant to Title 20, California Code of Regulations, § 2501 et seq.
Appendix B (g) (16) (E)	A discussion of any educational programs proposed to enhance awareness of potential impacts to paleontological resources by employees, measures proposed for mitigation of impacts to known paleontologic resources, and a set of contingency measures for mitigation of potential impacts to currently unknown paleontologic resources.	Not Applicable (N/A)	N/A	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 7.1-1	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X

Technical Area: **Paleontological Resources**

Project Manager: Eileen Allen

# **DATA ADEQUACY WORKSHEET**

Project: Huntington Beach Generating Station  
Retool Project

Docket: 00-AFC-13

Revision No. 0 Date 12/06/00

Technical Staff: Robert Anderson

Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 7.1-1	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Not found	No	Please provide how the project will comply with the LORS identified in table 7.1-1 with respect to paleontological resources.
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Not found	N/A	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	N/A	N/A	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **x**

Technical Area: **Project Overview**

## DATA ADEQUACY WORKSHEET

Project: Huntington Beach Generating Station  
Retool Project

Docket: 00-AFC-13

Revision No. 0 Date \_\_\_\_\_

Technical Staff: Eileen Alllen

Technical Senior: Roger Johnson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Cal. Code Regs., tit. 20, § 1704, (a) (3) (A)	Descriptions of all significant assumptions, methodologies, and computational methods used in arriving at conclusions in the document.	Entire AFC	Yes	
Cal. Code Regs., tit. 20, § 1704, (a) (3) (B)	Descriptions, including methodologies and findings, of all major studies or research efforts undertaken and relied upon to provide information for the document; and a description of ongoing research of significance to the project (including expected completion dates; and	Entire AFC	Yes	
Cal. Code Regs., tit. 20, § 1704, (a) (3) (C)	A list of all literature relied upon or referenced in the documents, along with brief discussions of the relevance of each such reference	Entire AFC	Yes	
Cal. Code Regs., tit. 20, § 1704, (a) (4)	Each principal subject area covered in a notice or application shall be set forth in a separate chapter or section, each of which shall identify the person or persons responsible for its preparation.	Entire AFC; Section 8.0	Yes	
Appendix B (a) (1) (A)	A general description of the proposed site and related facilities, including the location of the site or transmission routes, the type, size and capacity of the generating or transmission facilities, fuel characteristics, fuel supply, water supply, pollution control systems, and other general characteristics.	Section 3.0, pps.3.1-1 through 3.11-3	No	The City of Huntington Beach noted in a 12/21/00 letter to the Commission that AES/Poseidon has submitted an application to the City for a new desalination plant. This desalination plant would be located within the HBGS. Please address whether the desalination project is related to the Retool Project, and address potential impacts.
Appendix B (a) (1) (B)	Identification of the location of the proposed site and related facilities by section, township, range, county and assessors parcel numbers.	Sections 3.2.1 and 3.2.2, p.3.2-1	No	Please provide the assessor's parcel number for the project site.
Appendix B (a) (1) (C)	A description of and maps depicting the region, the vicinity, and the site and its immediate surroundings.	Map 3.2.-1	No	Please provide a larger scale map in this section, such that the major streets in the site vicinity, such as Newland and Pacific Coast Highway can be easily discerned.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **x**

Technical Area: **Project Overview**

## DATA ADEQUACY WORKSHEET

Project: Huntington Beach Generating Station  
Retool Project

Docket: 00-AFC-13

Revision No. 0 Date \_\_\_\_\_

Technical Staff: Eileen Alllen

Technical Senior: Roger Johnson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (a) (1) (D)	A full-page color photographic reproduction depicting the visual appearance of the site prior to construction, and a full-page color simulation or artist's rendering of the site and all project components at the site, after construction.	Section 5.13	No	Responding to the item requested for App.B (g) (6)(E) – Visual Resources will be sufficient to meet this requirement also.
Appendix B (a) (1) (E)	In an appendix to the application, a list of current assessor's parcel numbers and owners' names and addresses for all parcels within 500 feet of the proposed transmission line and other linear facilities, and within 1000 feet of the proposed powerplant and related facilities.	App.F, p.F-1	No	Please provide more specific information on the listing, "State of California, Public Works Department" and provide the address, or provide an explanation if no further information is available. Please fill in the missing information for Parcels 114-150-36 and 114-160-76, which will enable the Commission to notify these landowners of the project.
Appendix B (a) (2)	Project Schedule: Proposed dates of initiation and completion of construction, initial start-up, and full-scale operation of the proposed facilities.	Section 3.8.1.1, p.3.8-1 Table 3.8-3	No	Please indicate the expected date for the initial start-up phase.
Appendix B (a) (3) (A)	A list of all owners and operators of the site(s), the power plant facilities, and, if applicable, thermal host, the geothermal leasehold, the geothermal resource conveyance lines, and the geothermal re-injection system, and a description of their legal interest in theses facilities.	Section 1.4, p.1-3	Yes	
Appendix B (a) (3) (B)	A list of all owners and operators of the proposed electric transmission facilities.	Section 1.4, p.1-3	Yes	
Appendix B (a) (3) (C)	A description of the legal relationship between the applicant and each of the persons or entities specified in subsections (a)(3)(A) and (B).	Section 1.4, p.1-3	Yes	
Appendix B (b) (1) (A)	Maps at a scale of 1:24,000 (1" = 2000'), along with an identification of the dedicated leaseholds by section, township, range, county, and county assessor's parcel number, showing the proposed final locations and layout of the power plant and all related facilities;	Section 3.0, Fig.3.2-1	No	Please provide a 1:24,000 scale map.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **x**

Technical Area: **Project Overview**

## DATA ADEQUACY WORKSHEET

Project: Huntington Beach Generating Station  
Retool Project

Docket: 00-AFC-13

Revision No. 0 Date \_\_\_\_\_

Technical Staff: Eileen Allen

Technical Senior: Roger Johnson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (b) (1) (B)	Scale plan and elevation drawings depicting the relative size and location of the power plant and all related facilities;	Fig.3.1-2 Fig.3.1-7	Yes	
Appendix B (b) (1) (C)	A detailed description of the design, construction and operation of the facilities, specifically including the power generation, cooling, water supply and treatment, waste handling and control, pollution control, fuel handling, and safety, emergency and auxiliary systems, and fuel types and fuel use scenarios; and	Section 3.0	Yes	
Appendix B (b) (2) (A)	Maps at a scale of 1:24,000 of each proposed transmission line route, showing the settled areas, parks, recreational areas, scenic areas, and existing transmission lines within one mile of the proposed route(s).		N/A, since the project involves no new transmission lines.	
Appendix B (b) (2) (B)	A full-page color photographic reproduction depicting a representative above ground section of the transmission line route prior to construction and a full-page color photographic simulation of that section of the transmission line route after construction.		N/A, since the project involves no new transmission lines.	
Appendix B (c)	In a section entitled, "Demand Conformance" provide a discussion explaining how the proposed project conforms with the requirements of Public Resources Code § 25524 or Public Resources Code § 25540.6(a)(5). If the provisions of Public Resources Code § 25523.5 are applicable, explain how the project conforms with the requirements of this section. Additional data adequacy requirements may be contained in the Electricity Report applicable pursuant to Title 20, California Code of Regulations, § 1720.5.		N/A	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   x  

Technical Area: **Project Overview**

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## DATA ADEQUACY WORKSHEET

Project: Huntington Beach Generating Station  
Retool Project

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Docket: 00-AFC-13

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Revision No. 0 Date \_\_\_\_\_

Technical Staff: Eileen Alllen

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Technical Senior: Roger Johnson

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SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (d) (1)	A copy of any study or analysis required by the terms of the Commission's Final Decision on the NOI, and a brief summary of the results of the study or analysis.		N/A	
Appendix B (d) (2)	Updates of any significant information which has changed since the Commission's Final Decision on the NOI.		N/A	
Appendix B (e) (1)	A discussion of how facility closure will be accomplished in the event of premature or unexpected cessation of operations.	Section 3.10, p.3.10-1	Yes	

Adequacy Issue: Adequate Inadequate **x**

# DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 7, 2000

Technical Area: **Public Health**

Project: Huntington Beach Generating Station  
Retool Project

Technical Staff: Obed Odoemelam

Project Manager: Eileen Allen

Docket: 00-AFC-13

Technical Senior: Bob Haussler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 1.0, page 1-2. Section 5.9, pages 5.9-2 through 5.9-8. Section 5.2, pages 5.2-2, 5.2-5 through 5.2-31. Section 5.16, pages 5.16-1 and 5.16-2.	Yes	
Appendix B (g) (9) (A)	A list of all toxic substances emitted by the project under normal operating conditions, which may cause an adverse public health impact as a result of acute, chronic, or sub-chronic exposure and to which members of the public may be exposed. This list should include, at a minimum, any pollutants emitted by the project that are listed pursuant to Health and Safety Code § 25249.8.	Section 3.0, pages 3.6-1 and 3.6-1. Section 5.16, pages 5.16-14 and 5.16-15. Section 5.16, pages	Yes	
Appendix B (g) (9) (B)	A protocol describing the analysis which the applicant will conduct to determine the extent of potential public exposure to substances identified in subsection (g)(9)(A) resulting from normal facility operation. The analysis itself can be submitted after the AFC is complete.	Section 5.16, pages 5.16-3 through 5.16-7.	Yes	
Appendix B (g) (9) (C)	A map at a scale of 1:24,000, showing all terrain areas exceeding the elevation of the stack within a 10 mile radius of the facility.	Section 5.2	No	Please provide the 1:24,000 scale map. 10 copies of this map will be sufficient.
Appendix B (g) (9) (D)	A map at a scale of 1:24,000, showing the distribution of population and sensitive receptors within the area exposed to the substances identified in subsection (g)(9)(A).	Section 5.16, pages 5.16-10 through 13.	Yes	

Adequacy Issue: Adequate Inadequate **x**

# DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 7, 2000

Technical Area: **Public Health**

Project: Huntington Beach Generating Station  
Retool Project

Technical Staff: Obed Odoemelam

Project Manager: Eileen Allen

Docket: 00-AFC-13

Technical Senior: Bob Haussler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Section 7.0,	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Section 5.16, page 5.16-16. Section 7.0	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 7.0, pages 7-6 and 7-7	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Section 5.16, page 5.16-9	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Section 5.16, page 5.16-10	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 15, 2000

Technical Area: **Reliability**

Project: Huntington Beach Generating Station  
Retool Project

Technical Staff: Steve Baker

Project Manager: Eileen Allen

Docket: 00-AFC-13

Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	§§ 1.1, 1.3.1, 1.3.2, 1.3.3, 1.3.4, 2.1, 2.2, 2.3, 3.1, 3.3.1, 3.3.3.1, 3.4.1, 3.4.2, 3.4.3, 3.4.4, 3.4.5, 3.4.5.2, 3.4.5.3, 3.4.6, 3.4.7.1, 3.4.7.1.1, 3.4.7.1.2, 3.4.12.4, 3.7.1, 3.7.2, 3.9.1, 3.9.2.1, 3.9.2.1.1, 3.9.2.1.2, 3.9.2.1.3, 3.9.2.2, 3.9.2.5, 3.9.2.6, 3.9.4, 3.11.2.1, 3.11.2.3, 3.11.5, 4.1.1, 4.3.1, 4.3.1.1, 4.3.2.1, 4.3.2.2, 4.3.3, 4.3.4, 4.3.5, 4.3.6, 7.4.1	Yes	
Appendix B (i) (3) (A)	A discussion of the sources and availability of the fuel or fuels to be used over the estimated service life of the facilities.	§§ 1.3.2, 1.3.3, 3.4.1, 3.4.6, 3.7.1, 3.9.2.6.3, 3.9.4, 3.11.5, 4.3.3	Yes	
Appendix B (i) (3) (B)	A discussion of the anticipated service life and degree of reliability expected to be achieved by the proposed facilities based on a consideration of:	—	—	
Appendix B (i) (3) (B) (i)	Expected annual and lifetime capacity factors;	§§ 1.3.2, 2.1, 2.2, 3.4.1, 3.9.1, 3.9.2.1, 3.9.2.1.1, 3.9.2.1.2, 3.9.2.6, 4.3.1	Yes	
Appendix B (i) (3) (B) (ii)	The demonstrated or anticipated feasibility of the technologies, systems, components, and measures proposed to be employed in the facilities, including the power generation system, the heat dissipation system, the water supply system, the reinjection system, the atmospheric emission control system, resource conveyance lines, and the waste disposal system;	§§ 3.4.3, 3.9.2.6, 4.3.1	Yes	
Appendix B (i) (3) (B) (iii)	Geologic and flood hazards, meteorologic conditions and climatic extremes, and cooling water availability;	§§ 1.3.1, 1.3.4, 3.3.3.1, 3.4.7.1.1, 3.9.2.6.4, 3.11.2.3, 4.1.1, 4.1.1.1, 4.1.1.2, 4.3.4	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X

Technical Area: **Reliability**

Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Huntington Beach Generating Station  
Retool Project

Docket: 00-AFC-13

Revision No. 0 Date December 15, 2000

Technical Staff: Steve Baker

Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (3) (B) (iv)	Special design features adopted by the applicant or resource supplier to ensure power plant reliability; and	§§ 3.4.12.4, 3.9.2.2, 3.9.2.5, 3.9.2.6, 4.1.1.1, 4.3.1.1, 4.3.2.1, 4.3.2.2, 4.3.3, 4.3.4, 4.3.5.1, 4.3.5.2, 4.3.5.3, 4.3.6	Yes	
Appendix B (i) (3) (B) (v)	The expected power plant maturation period.	Not Found	No	Describe the maturation period of the new components to be installed, e.g., burners, SCR, control system, etc.
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 7.1-1	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 7.1-1	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	N/A	N/A	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	N/A	N/A	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	N/A	N/A	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X

Technical Area: **Socioeconomics**

Project Manager: Eileen Allen

# DATA ADEQUACY WORKSHEET

Project: Huntington Beach Generating Station  
Retool Project

Docket: 00-AFC-13

Revision No. 0 Date December 8, 2000

Technical Staff: James Adams

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 5.10 PP. 5.10-1 to 5.10-10 Section 5.18, Table 5.18-1	Yes	
Appendix B (g) (7) (A)	A description of the socioeconomic circumstances of the vicinity and region affected by construction and operation of the project. Include:	PP. 5.10-1 to 5.10-10	Yes	
Appendix B (g) (7) (A) (i)	The economic characteristics, including the economic base, fiscal resources, and a list of the applicable local agencies with taxing powers and their most recent and projected revenues;	PP. 5-10-1 to 5.10-3	No	Please provide list of the applicable local agencies with taxing powers and their most recent and projected revenues.
Appendix B (g) (7) (A) (ii)	The social characteristics, including population and demographic and community trends;	PP. 5.10-2 to 5.10-4	Yes	
Appendix B (g) (7) (A) (iii)	Existing and projected unemployment rates;	PP. 5.10-1 & 2	Yes	
Appendix B (g) (7) (A) (iv)	Availability of skilled workers by craft required for construction and operation of the project;	Pg. 5.10-6 Table 5.10-4	Yes	
Appendix B (g) (7) (A) (v)	Availability of temporary and permanent housing; and	PP. 5.10-4 & 6	No	Please provide a discussion of the availability of temporary and permanent housing.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   X  

Technical Area: **Socioeconomics**

Project Manager: Eileen Allen

**DATA ADEQUACY WORKSHEET**

Project: Huntington Beach Generating Station  
Retool Project

Docket: 00-AFC-13

Revision No.   0   Date December 8, 2000

Technical Staff: James Adams

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (7) (A) (vi)	Capacities, existing and expected use levels, and planned expansion of utilities (gas, water and waste) and public services, including fire protection, law enforcement, emergency response, medical facilities, other assessment districts, and school districts. For projects outside metropolitan areas with a population of 500,000 or more, information for each school district shall include current enrollment and yearly expected enrollment by grade level groupings, excluding project-related changes, for the duration of the project construction schedule.	PP. 5.10-4 to 5.10-7	Yes	
Appendix B (g) (7) (B)	A discussion of the socioeconomic impacts caused by the construction and operation of the project, including:	PP. 5.10-6 through 10-10	Yes	
Appendix B (g) (7) (B) (i)	The number of workers to be employed each month by craft during construction and operation;	PP. 5.10-6, 10-8 Table 5.10-3 and Table 5.10-4	Yes	
Appendix B (g) (7) (B) (ii)	An estimate of the number and percentage of workers who will commute daily, commute weekly, or relocate in order to work on the project;	Pg. 5.10-6	Yes	
Appendix B (g) (7) (B) (iii)	An estimate of the potential population increase caused directly and indirectly by the project;	PP. 5.10-6, 10-7, 10-10	Yes	
Appendix B (g) (7) (B) (iv)	The potential impact of population increase on housing during the construction and operations phases;	PP. 5.10-6, 10-10	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   X  

Technical Area: **Socioeconomics**

Project Manager: Eileen Allen

# DATA ADEQUACY WORKSHEET

Project: Huntington Beach Generating Station  
Retool Project

Docket: 00-AFC-13

Revision No.   0   Date December 8, 2000

Technical Staff: James Adams

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (7) (B) (v)	The potential impacts, including additional costs, on utilities (gas, water and waste) and public services, including fire, law enforcement, emergency response, medical facilities, other assessment districts, and school districts. For projects outside metropolitan areas with a population of 500,000 or more, information on schools shall include project-related enrollment changes by grade level groupings and associated facility and staffing impacts by school district during the construction and operation phases;	PP.5.10-7, 10-10	Yes	
Appendix B (g) (7) (B) (vi)	An estimate of applicable school impact fees;	PP. 5.10-7, 10-9	No	Please provide an estimate of applicable school impact fees.
Appendix B (g) (7) (B) (vii)	An estimate of the total construction payroll and an estimate of the total operation payroll;	PP. 5.10-6, 10-9	No	An estimate of the total construction payroll and an estimate of the total operation payroll.
Appendix B (g) (7) (B) (viii)	An estimate of the expenditures for locally purchased materials for the construction and operation phases of the project; and	PP. 5.10-6 & 10-7	No	Please provide an estimate of the expenditures for locally purchased materials for the construction and operation phases of the project.
Appendix B (g) (7) (B) (ix)	An estimate of the capital cost of the project of the potential impacts on tax revenues from construction and operation of the project.	PP. 5-10-6 & 10-7	No	Please provide an estimate of the capital cost of the project of the potential impacts on tax revenues from construction and operation of the project.
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 7.1-1	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   X  

Technical Area: **Socioeconomics**

Project Manager: Eileen Allen

**DATA ADEQUACY WORKSHEET**

Project: Huntington Beach Generating Station  
Retool Project

Docket: 00-AFC-13

Revision No.   0   Date December 8, 2000

Technical Staff: James Adams

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Pg. 5.10-11	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Pg. 5.10-10	No	Please provide a discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Sect. 7.0	Yes	
Appendix (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Pg. 5.10-11	No	Please provide a schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   x    
 Technical Area: **Soils**  
 Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Huntington Beach Generating Station  
Retool Project  
 Docket: 00-AFC-13

Revision No.   0   Date   12/12/00    
 Technical Staff: Lorraine White  
 Technical Senior: Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Sect. 5.4	No	Please clearly identify paved and unpaved areas or exposed soils of the HBGS site. Please provide information on the existing erosion and sedimentation control measures currently employed at HBGS and any monitoring activities.
Appendix B (g) (15) (A)	A map at a scale of 1:24,000 and written description of soil types and all agricultural land uses that will be affected by the proposed project. The description shall include:	P. 5.4-1 to 5.4-2 Fig. 5.4-1	No	Please provide contours on Figure 5.4-1 to indicate the edges of soil mapping units and better identify the locations. Please also include a description of the soils identified as 123 and 158.
Appendix B (g) (15) (A) (i)	The depth, texture, permeability, drainage, erosion hazard rating, and land capability class of the soil; and	Sect. 5.4.1	Yes	
Appendix B (g) (15) (A) (ii)	An identification of other physical and chemical characteristics of the soil necessary to allow an evaluation of soil erodibility, permeability, re-vegetation potential, and cycling of pollutants in the soil-vegetation system.	p. 5.5-3 to 5.5-4	Yes	
Appendix B (g) (15) (C)	An assessment of the effects of the proposed project on soil resources and agricultural land uses. This discussion shall include:	5.4.2	Yes	
Appendix B (g) (15) (C) (i)	The quantification of accelerated soil loss due to wind and water erosion;		N/A	
Appendix B (g) (15) (C) (iii)	The effect of power plant emissions on surrounding soil-vegetation systems.	Sect. 5.2.3	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   x    
 Technical Area: **Soils**  
 Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Huntington Beach Generating Station  
Retool Project  
 Docket: 00-AFC-13

Revision No.   0   Date   12/12/00    
 Technical Staff: Lorraine White  
 Technical Senior: Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Tables 5.4-1, 7.1-1	No	Please discuss the City of Huntington Beach grading requirements in these tables.
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Tables 5.4-1, 7.1-1	No	Please discuss the City of Huntington Beach grading requirements in these tables.
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Sect. 5.4.5 Sect. 7.5.4	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Sect. 5.4.6	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Sect. 5.4.7	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐

Technical Area: **T-Line Safety and Nuisance.**

Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Huntington Beach Generating Station  
Retool Project

Docket: 00-AFC-13

Revision No. 0 Date December 21, 2000

Technical Staff: Obed Odoemelam

Technical Senior: Bob Haussler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (2) (A)	A discussion of the need for the additional electric transmission lines, substations, or other equipment, the basis for selecting principal points of junction with the existing electric transmission system, and the capacity and voltage levels of the proposed lines, along with the basis for selection of the capacity and voltage levels.	Section 4.2, p.4-3 and 4-4	Yes	
Appendix B (i) (2) (B)	A discussion of the extent to which the proposed electric transmission facilities have been designed, planned, and routed to meet the transmission requirements created by additional generating facilities planned by the applicant or any other entity.		N/A, since the proposed project will have no new transmission lines.	
Appendix B (b) (2) (C)	A detailed description of the design, construction, and operation of any electric transmission facilities, such as power lines, substations, switchyards, or other transmission equipment, which will be constructed or modified to transmit electrical power from the proposed power plant to the load centers to be served by the facility. Such description shall include the width of rights of way and the physical and electrical characteristics of electrical transmission facilities such as towers, conductors, and insulators. This description shall include power load flow diagrams which demonstrate conformance or nonconformance with utility reliability and planning criteria at the time the facility is expected to be placed in operation and five years thereafter; and		N/A, since the proposed project will have no new transmission lines.	
Appendix B (b) (2) (D)	A description of how the route and additional transmission facilities were selected, and the consideration given to engineering constraints, environmental impacts, resource conveyance constraints, and electric transmission constraints.		N/A, since the proposed project will have no new transmission lines.	

Adequacy Issue: Adequate ☒ Inadequate ☐  
 Technical Area: **T-Line Safety and Nuisance.**  
 Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Huntington Beach Generating Station  
Retool Project  
 Docket: 00-AFC-13

Revision No. 0 Date December 21, 2000  
 Technical Staff: Obed Odoemelam  
 Technical Senior: Bob Haussler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (18) (A)	The locations and a description of the existing switchyards and overhead and underground transmission lines that would be affected by the proposed project.		N/A, since the proposed project will have no new transmission lines.	
Appendix B (g) (18) (B)	An estimate of the existing electric and magnetic fields from the facilities listed in (A) above and the future electric and magnetic fields that would be created by the proposed project, calculated at the property boundary of the site and at the edge of the rights of way for any transmission line. Also provide an estimate of the radio and television interference that could result from the project.		N/A, since the proposed project will have no new transmission lines.	
Appendix B (g) (18) (C)	Specific measures proposed to mitigate identified impacts, including a description of measures proposed to eliminate or reduce radio and television interference, and all measures taken to reduce electric and magnetic field levels.		N/A, since the proposed project will have no new transmission lines.	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;		N/A, since the proposed project will have no new transmission lines.	

Adequacy Issue: Adequate ☒ Inadequate \_\_\_\_\_  
 Technical Area: **T-Line Safety and Nuisance.**  
 Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Huntington Beach Generating Station  
Retool Project  
 Docket: 00-AFC-13

Revision No. 0 Date December 21, 2000  
 Technical Staff: Obed Odoemelam  
 Technical Senior: Bob Haussler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.		N/A, since the proposed project will have no new transmission lines.	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).		N/A, since the proposed project will have no new transmission lines.	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.		N/A, since the proposed project will have no new transmission lines.	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.		N/A, since the proposed project will have no new transmission lines.	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X

Technical Area: **Traffic and Transportation**

Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Huntington Beach Generating Station  
Retool Project

Docket: 00-AFC-XX

Revision No. 0 Date December 22, 2000

Technical Staff: Mark R. Hamblin

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	..provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Pages 3.1-1 – 3.4-2 Sections 3.1 –3.4.1. Pages 5.11-6 – 5.11-10; Section 5.11.2.2.1 – 5.11.3. Table 7.1-1; Section 7.5.11.	YES	
Appendix B (g) (5) (A)	A regional transportation setting, on topographic maps (scale of 1:250,000), identifying the project location and major transportation facilities. Include a reference to the transportation element of any applicable local or regional plan.	Pages 5.11-1 – 5.11-3: Section 5.11.1.1. – 5.11.1.1.1. Figure 5.11-1; Figure 5.11-2; Figure 5.11-3.	YES	
Appendix B (g) (5) (B)	An identification, on topographic maps at a scale of 1:24,000 and a description of existing and planned roads, rail lines, including light rail, bike trails, airports, bus routes serving the project vicinity, pipelines, and canals in the project area affected by or serving the proposed facility. For each road identified, include the following information, where applicable:	Pages 5.11-2 – 5.11-3 & 5.11-5; Section 5.11.1.1.1. Figure 5.11-1; Figure 5.11-2; Figure 5.11-3.	YES	
Appendix B (g) (5) (B) (i)	Road classification and design capacity;	Pages 5.11-2 – 5.11-5; Section 5.11.1.1.1.	YES	
Appendix B (g) (5) (B) (ii)	Current daily average and peak traffic counts;	Table 5.11-1, Table 5.11-2.	YES	
Appendix B (g) (5) (B) (iii)	Current and projected levels of service before project development, during construction, and during project operation;	Table 5.11-1. Pages 5.11-7 –5.11-9; Section 5.11.2.2.1.	YES	
Appendix B (g) (5) (B) (iv)	Weight and load limitations;	Page 5.11-8; Section 5.11.2.2.1.	NO	Specify the weights or load limitations for roadways in the area of the project. AFC page 5.11-8, 3 <sup>rd</sup> full paragraph states that “In some cases vehicles used to transport heavy machinery and construction materials and equipment will require transportation permits where they are in excess of size thresholds set forth in the California Vehicle Code.”

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X

Technical Area: **Traffic and Transportation**

Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Huntington Beach Generating Station  
Retool Project

Docket: 00-AFC-XX

Revision No. 0 Date December 22, 2000

Technical Staff: Mark R. Hamblin

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (5) (B) (v)	Estimated percentage of current traffic flows for passenger vehicles and trucks; and	Page 5.11-4 –5.11-5; Section 5.11.1. 2. Table 5.11-1.	YES	
Appendix B (g) (5) (B) (vi)	An identification of any road features affecting public safety.	Figure 5.11-3. Page 5.11-5; Section 5.11.1.2.	YES	
Appendix B (g) (5) (C)	A description of any new, planned, or programmed transportation facilities in the project vicinity, including that necessary for construction and operation of the proposed project. Specify the location of such facilities on topographic maps at a scale of 1:24,000.	Page 5.11-5; Section 5.11.1. 2. Figure 5.11-3. Figure 5.11-2.	YES	
Appendix B (g) (5) (D)	An assessment of the construction and operation impacts of the proposed project on the transportation facilities identified. Include anticipated project-specific traffic, estimated changes to daily average and peak traffic counts, levels of service, and traffic/truck mix, and the impact of construction of any facilities identified in subsection (g)(5)(C).	Page 5.11-6 – 5.11-10; Section 5.11.2.2.1.- 5.11.3	YES	
Appendix B (g) (5) (E)	A discussion of project-related hazardous materials to be transported to or from the project during construction and operation of the project, including the types, estimated quantities, estimated number of trips, anticipated routes, means of transportation, and any transportation hazards associated with such transport.	Page 5.11-8 – 5.11-9; Section 5.11.2.2. 2.	YES	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 5.9-6, Table 7.1-1, Section 7.5.9 and Section 7.5.11.	NO	In a table or matrix cite the federal, state, and local government land use policies, regulations ordinances, standards, etc. applicable to the proposed project and <u>provide</u> a discussion of the applicability of each to the project. Explicitly reference subsections in the application where conformance with each individual land use policy, regulation, ordinance, standard, etc. is discussed.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X  
 Technical Area: **Traffic and Transportation**  
 Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Huntington Beach Generating Station  
Retool Project  
 Docket: 00-AFC-XX

Revision No. 0 Date December 22, 2000  
 Technical Staff: Mark R. Hamblin  
 Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 7.1-1; Section 7.5.9 and Section 7.5.11.	YES	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Page 5.9-8 – 5.9-10; Sections 5.9.2.3 & 5.9.2.4.	YES	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 7.1-1; Section 7.5.11 and Section 7.5.11 (see Agency Contact notation)	YES	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.		NO	Provide a schedule for obtaining transportation-related permits outside the authority of the Cal. Energy Commission.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   x  

Technical Area: **Transmission System Eng.**

Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Huntington Beach Generating Station  
Retool Project

Docket: 00-AFC-13

Revision No.   0   Date December 15, 2000

Technical Staff: Ajoy Guha

Technical Senior: Al McCuen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (2) (A)	A discussion of the need for the additional electric transmission lines, substations, or other equipment, the basis for selecting principal points of junction with the existing electric transmission system, and the capacity and voltage levels of the proposed lines, along with the basis for selection of the capacity and voltage levels.	Section 3.4.5.1, Page 3.4-5 Section 3.6.1, Page 3.6-1 Section 3.6.2.2, Page 3.6-1	Yes	
Appendix B (i) (2) (B)	A discussion of the extent to which the proposed electric transmission facilities have been designed, planned, and routed to meet the transmission requirements created by additional generating facilities planned by the applicant or any other entity.		Not Applicable	
Appendix B (b) (2) (C)	A detailed description of the design, construction, and operation of any electric transmission facilities, such as power lines, substations, switchyards, or other transmission equipment, which will be constructed or modified to transmit electrical power from the proposed power plant to the load centers to be served by the facility. Such description shall include the width of rights of way and the physical and electrical characteristics of electrical transmission facilities such as towers, conductors, and insulators. This description shall include power load flow diagrams which demonstrate conformance or nonconformance with utility reliability and planning criteria at the time the facility is expected to be placed in operation and five years thereafter; and	Section 1.3.5, Page 1-3 Section 3.4.5.1, Page 3.4-5 Section 3.6.1, Page 3.6-1 Section 3.6.2.2, Page 3.6-1 Section 3.6.2.3, Page 3.6-1  Section 3.6.2.1.1, Page 3.6-1	NO	Provide a One Line Diagram and a physical plan/plans showing all existing generators in the plant, connecting cables/conductors, generator step-up transformers, outlets, transmission lines, circuit breakers, disconnect switches, 220 kV switchyard with sizes, capacities, voltage levels and dimensions.  Provide Generator (Units 3 & 4) Interconnection Study ( with SCE transmission system) Report for heavy summer,2002,with power load flow diagrams and Contingency analyses which will demonstrate conformance or non-conformance with Utility and other applicable Reliability and Planning Criteria.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   x  

Technical Area: **Transmission System Eng.**

Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Huntington Beach Generating Station  
Retool Project

Docket: 00-AFC-13

Revision No.   0   Date December 15, 2000

Technical Staff: Ajoy Guha

Technical Senior: Al McCuen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (b) (2) (D)	A description of how the route and additional transmission facilities were selected, and the consideration given to engineering constraints, environmental impacts, resource conveyance constraints, and electric transmission constraints.		Not Applicable	
Appendix B (g) (18) (A)	The locations and a description of the existing switchyards and overhead and underground transmission lines that would be affected by the proposed project.	Section 3.4.5.1, Page 3.4-5 Section 3.6.1, Page 3.6-1 Section 3.6.2.3, Page 3.6-1	NO	Provide a one line diagram and a physical plan showing the transmission lines, circuit breakers, disconnect switches, 220 kV switchyard with sizes, capacities, voltage levels and dimensions.
Appendix B (g) (18) (B)	An estimate of the existing electric and magnetic fields from the facilities listed in (A) above and the future electric and magnetic fields that would be created by the proposed project, calculated at the property boundary of the site and at the edge of the rights of way for any transmission line. Also provide an estimate of the radio and television interference that could result from the project.		Not Applicable	
Appendix B (g) (18) (C)	Specific measures proposed to mitigate identified impacts, including a description of measures proposed to eliminate or reduce radio and television interference, and all measures taken to reduce electric and magnetic field levels.		Not Applicable	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;		Not Applicable	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   x  

Technical Area: **Transmission System Eng.**

Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Huntington Beach Generating Station  
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SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.		Not Applicable	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).		Not Applicable	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.		Not Applicable	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.		Not Applicable	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X

Technical Area: **Visual Resources**

Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Huntington Beach Generating Station  
Retool Project

Docket: 00-AFC-13

Revision No. 0 Date December 13, 2000

Technical Staff: Eric Knight

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Pages 5.13-1 - 5.13-6; Section 5.13.1 Pages 5.13-10 - 5.13-11; Section 5.13.2 Page 5.13-11 - 5.13-12; Section 5.13.3 Page 5.13-12; Section 5.13.4	NO	The AFC includes two mitigation measures (VIS-1 and VIS-2) to reduce potential visual impacts but does not discuss the effectiveness of these measures. Please discuss the effectiveness of the proposed mitigation measures.
Appendix B (g) (6) (A)	Descriptions of the existing visual setting of the vicinity of the project, the region that can be seen from the vicinity of the project, and the proposed project site. Include:	Pages 5.13-1 - 5.13-2; Sections 5.13.1.1 - 5.13.1.2 Page 5.13-4; Section 5.13.1.4.1	YES	
Appendix B (g) (6) (A) (i)	Topographic maps at a scale of 1:24,000 of the areas from which the project may be seen, identification of the view areas most sensitive to the potential visual impacts of the project, and the locations where photographs were taken for (g)(6)(E);		NO	Please provide topographic maps at a scale of 1:24,000 of the areas from which the project may be seen, identification of the view areas most sensitive to the potential visual impacts of the project, and the locations where photographs were taken for (g)(6)(E).
Appendix B (g) (6) (A) (ii)	Elevations of any existing structures on the site; and	Figure 3.1-2	NO	The elevations provided are only for Units 3 and 4. Please provide elevations for all existing structures on the project site.
Appendix B (g) (6) (A) (iii)	The visual properties of the topography, vegetation, and any modifications to the landscape as a result of human activities.	Page 5.13-4; Section 5.13.1.4.1	YES	
Appendix B (g) (6) (B)	An assessment of the visual quality of those areas that will be impacted by the proposed project.	Pages 5.13-5 - 5.13-6; Section 5.13.1.4.2	YES	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   X  

# DATA ADEQUACY WORKSHEET

Revision No.   0   Date   December 13, 2000  

Technical Area: **Visual Resources**

Project:   Huntington Beach Generating Station Retool Project  

Technical Staff:   Eric Knight  

Project Manager:   Eileen Allen  

Docket:   00-AFC-13  

Technical Senior:   Dale Edwards  

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (6) (C)	After discussions with staff and community residents who live in close proximity to the proposed project, identify the scenic corridors and any visually sensitive areas potentially affected by the proposed project, including recreational and residential areas. Indicate the approximate number of people using each of these sensitive areas and the estimated number of residences with views of the project. For purposes of this section, a scenic corridor is that area of land with scenic natural beauty, adjacent to and visible from a linear feature, such as a road, or river.	Pages 5.13-5 - 5.13-6; Section 5.13.1.4.2	NO	<p>Key Observation Points (KOP) 2 and 4 were chosen by the applicant as representative of the views that surrounding residential uses would have of the project. Please provide an estimate of the number of residences at these locations that would have views of the project.</p> <p>KOP 3 is located within Edison Community Park. Please provide an estimate of the number of people using this recreational area.</p> <p>According to the AFC, KOP 4 approximates the view toward the project from Huntington Pier. Please provide an estimate of the number of people using the pier.</p>
Appendix B (g) (6) (D)	A description of the dimensions, color, and material of each major visible component of the project.	Page 5.13-11; Section 5.13.3.3	NO	<p>The AFC states that two new tanks, 12 feet and 21 feet in height, will be installed on the site. According to the AFC, due to existing screening and landscaping these tanks will not be visible from off-site locations. Due to the potential for the SCR equipment to be visible, please provide a description of the dimensions, color, and material of each major visible component of the project.</p>

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   X    
 Technical Area: **Visual Resources**  
 Project Manager: Eileen Allen

# DATA ADEQUACY WORKSHEET

Project: Huntington Beach Generating Station  
Retool Project  
 Docket: 00-AFC-13

Revision No.   0   Date December 13, 2000  
 Technical Staff: Eric Knight  
 Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (6) (E)	Full-page color photographic reproductions of the existing site, and full-page color simulations of the proposed project in the existing setting from each location representative of the view areas most sensitive to the potential visual impacts of the project.	Figures 5.13-1 - 5.13-5	NO	<p>Please provide full-page (8" x 11") color photographic reproductions of the existing site from each KOP.</p> <p>The AFC states that no simulations were provided because the visual profile of Units 3 and 4 would not change as a result of the project. While this may be true with the modifications proposed to the boilers (e.g., new burners), staff's experience with addition of SCR to the Moss Landing Power Plant (Units 6 and 7) is that this equipment may be visible from certain vantage points (potentially from KOPs 1 and 2). As required by the siting regulations, please provide full-page color simulations of the proposed project in the existing setting from each KOP.</p> <p>Figures 5.13-1 – 5.13-5 incorrectly state the direction of view. For example, in Figure 5.13-2 the view direction is southeast, not southwest. Please provide headings on the photographs and simulations that reflect the true direction of view from each KOP toward the project site.</p>
Appendix B (g) (6) (F)	An assessment of the visual impacts of the project, including light and glare, and visible plumes.	Pages 5.13-10 - 5.13-11; Section 5.13.2.2 - 5.13.2.3	NO	<p>Please provide an assessment of the project's potential to create visual impacts from glare. Please provide an assessment of the visual impacts of visible water vapor plumes that could potentially emanate from the project's exhaust stacks. Include an estimate of the frequency (number of hours per year) and size (height, length, and width) of visible plumes.</p>

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X

Technical Area: **Visual Resources**

Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Huntington Beach Generating Station  
Retool Project

Docket: 00-AFC-13

Revision No. 0 Date December 13, 2000

Technical Staff: Eric Knight

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 7.1-1	NO	Table 7.1-1 does not explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed.
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 7.1-1; Section 7.15-13	YES	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Page 5.13-12 - 5.13-13; Section 5.13.5	NO	<p>The AFC states that the project is consistent with the industrial development standards of the Huntington Beach Zoning Ordinance but doesn't identify what these standards are or how the project will conform to the standards. Please provide a discussion of the conformity of the project with any applicable development standards related to visual resources (e.g., structures, landscaping and signs).</p> <p>The Land Use section of the AFC identifies several policies in the Huntington Beach General Plan related to visual resources (i.e., Urban Design and Open Space/Coastal Corridor). Please discuss the conformity of the project with all applicable goals and policies of the General Plan, including the Coastal and Urban Design Elements, related to visual resources. Please also discuss the conformity of the project with any other applicable design guidelines adopted by the City of Huntington Beach.</p>

Adequacy Issue:	Adequate _____ Inadequate <u>  X  </u>	<b>DATA ADEQUACY WORKSHEET</b>		Revision No. <u>  0  </u>	Date <u>  December 13, 2000  </u>
Technical Area:	<b>Visual Resources</b>	Project:	Huntington Beach Generating Station Retool Project	Technical Staff:	Eric Knight
Project Manager:	<u>Eileen Allen</u>	Docket:	<u>00-AFC-13</u>	Technical Senior:	<u>Dale Edwards</u>

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Section 7.0		Howard Zelefsky Huntington Beach Planning Department 2000 Main Street Huntington Beach, CA 92648
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	N/A		

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X

Technical Area: **Waste Management**

Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Huntington Beach Generating Station  
Retool Project

Docket: 00-AFC-13

Revision No. 0 Date December 12, 2000

Technical Staff: Mike Ringer

Technical Senior: Bob Haussler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (b) (1) (C)	A detailed description of the design, construction and operation of the facilities, specifically including the power generation, cooling, water supply and treatment, waste handling and control, pollution control, fuel handling, and safety, emergency and auxiliary systems, and fuel types and fuel use scenarios; and	sec. 5.14.2.1 sec. 5.14.2.2 sec. 5.14.2.3	YES	
Appendix B (e) (2)	A discussion of how facility closure will be accomplished in the event of premature or unexpected cessation of operations.	sec. 3.10.1	YES	
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	sec. 5.14.2.1.1 sec. 5.14.2.1.2 sec. 5.14.2.3.2 sec. 5.14.2.3.3 sec. 5.14.3	YES	
Appendix B (g) (12) (A)	A Phase I Environmental Site Assessment for the proposed power plant site using methods prescribed by the American Society for Testing and Materials (ASTM) document entitled "Standard Practice for Environmental Site Assessments: Phase 1 Environmental Site Assessment Process" (Designation: E 1527-93, May 1993), which is incorporated by reference in its entirety; or an equivalent method agreed upon by the applicant and the CEC Staff that provides similar documentation of the potential level and extent of site contamination.	p. 5.14-3	YES	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   X  

## DATA ADEQUACY WORKSHEET

Revision No.   0   Date   December 12, 2000  

Technical Area: **Waste Management**

Project:   Huntington Beach Generating Station  
Retool Project  

Technical Staff:   Mike Ringer  

Project Manager:   Eileen Allen  

Docket:   00-AFC-13  

Technical Senior:   Bob Haussler  

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (12) (B)	A description of each waste stream estimated to be generated during project construction and operation, including origin, hazardous or nonhazardous classification pursuant to Title 22, California Code of Regulations, § 66261.20 et seq., chemical composition, estimated annual weight or volume generated, and estimated frequency of generation.	sec. 5.14.2.1 sec. 5.14.2.3	NO	Provide detailed descriptions of individual waste streams including quantities generated and frequency of generation. Include wastes from dismantling and retrofitting activities, system and equipment updates, and rinsate (i.e., liquid waste) from the reverse osmosis/electrodeionization (RO/EDI) system.
Appendix B (g) (12) (C)	A description of all waste disposal sites which may feasibly be used for disposal of project wastes. For each site, include the name, location, classification under Title 23, California Code of Regulations, § 2530 et seq., the daily or annual permitted capacity, daily or annual amounts of waste currently being accepted, the estimated closure date and remaining capacity, and a description of any enforcement action taken by local or state agencies due to waste disposal activities at the site.	sec. 5.14.1.1.1 sec. 5.14.1.2 table 5.14-1	YES	
Appendix B (g) (12) (D)	A description of management methods for each waste stream, including methods used to minimize waste generation, length of on- and off-site waste storage, re-use and recycling opportunities, waste treatment methods used, and use of contractors for treatment.	sec. 5.14.2.1.1 sec. 5.14.2.1.2 sec. 5.14.2.3.2 sec. 5.14.2.3.3 sec. 5.14.2.2.2	NO	Provide detailed descriptions of management methods used for each hazardous waste stream generated during construction as well as hazardous rinsate from the RO/EDI system.
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	sec. 7.5.15.1 table 7.1-1	NO	References to specific sections in the application where conformance is discussed.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X

# DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 12, 2000

Technical Area: **Waste Management**

Project: Huntington Beach Generating Station  
Retool Project

Technical Staff: Mike Ringer

Project Manager: Eileen Allen

Docket: 00-AFC-13

Technical Senior: Bob Haussler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	table 7.1-1	YES	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	sec. 5.14.2.1 sec. 5.14.3.3	YES	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	table 7.1-1	YES	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	sec. 5.14.3.3 (WM-3)	YES	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   x  

## DATA ADEQUACY WORKSHEET

Revision No.   0   Date   12/12/00  

Technical Area: **Water Resources**

Project: Huntington Beach Generating Station  
Retool Project

Technical Staff: Lorraine White

Project Manager: Eileen Allen

Docket: 00-AFC-13

Technical Senior: Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Sect. 3.1, Sect. 3.4, Sect. 3.11.4, Sect. 5.5, Sect. 7	No	See specific items noted below. Responding to the items noted below will be sufficient for this requirement.
Appendix B (g) (14) (A)	All information required by the Regional Water Quality Control Board in the region where the project will be located to apply for:			
Appendix B (g) (14) (A) (i)	Waste Discharge Requirements; and		N/A	
Appendix B (g) (14) (A) (ii)	a National Pollutant Discharge Elimination System Permit.	Sect. 5.5.6.1 Tables 5.5-25, 5.5-26 Fig. 5.5-9	Yes	
Appendix B (g) (14) (B)	A description of the hydrologic setting of the project. The information shall describe, in writing and on maps at a scale of 1:24,000, the chemical and physical characteristics of the following water bodies that may be affected by the proposed project:			
Appendix B (g) (14) (B) (i)	Ground water bodies and related geologic structures;	Sect. 3.3.3.2 Sect. 5.3.1.2 Sect. 5.5.1.1.1 Tables 5.5-1 to 5.5-5	No	Please provide a diagram of the stratigraphy in the area of the project.
Appendix B (g) (14) (B) (ii)	Surface water bodies; and	Sect. 3.3.3.1 Sect. 5.5.1.1.2, p. 5.5-5 to 5.5-7 Fig. 5.5-1	Yes	
Appendix B (g) (14) (B) (iii)	Water inundation zones, such as the 100-year flood plain and tsunami run-up zones.	Section 5.5.1.1.4. Pages 5.5, p.5.17 and 5.18	Yes	
Appendix B (g) (14) (C)	A description of the water to be used and discharged by the project. This information shall include:			

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   x    
 Technical Area: **Water Resources**  
 Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Huntington Beach Generating Station  
Retool Project  
 Docket: 00-AFC-13

Revision No.   0   Date   12/12/00    
 Technical Staff: Lorraine White  
 Technical Senior: Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (14) (C) (i)	Source of the water and the rationale for its selection, and if fresh water is to be used for power plant cooling purposes, a discussion of all other potential sources and an explanation why these sources were not feasible;	Sect. 3.4.7.1 Sect. 3.11.2.3 Sect. 5.5.1.1	Yes	
Appendix B (g) (14) © (ii)	The physical and chemical characteristics of the source and discharge water;	Sect. 3.4.7.4 Tables 5.5-6, 5.5-7, 5.5-10, 5.5-11	Yes	
Appendix B (g) (14) (C) (iii)	Average and maximum daily and annual water demand and waste water discharge for both the construction and operation phases of the project; and	Sect. 3.4.7 Tables 5.5-9, 5.5-10, 5.5-21	No	Please provide estimates for the average and maximum daily and annual water demand for all uses, and waste water discharge for the construction at HBGS.
Appendix B (g) (14) (C) (iv)	A description of all facilities to be used in water conveyance, treatment, and discharge. Include a water mass balance diagram.	p. 3.4-2 Sect. 3.4.7 Sect. 3.7.3 Sect. 5.5.1.1.3 Sect. 5.1.3, p. 5.5-19 to 5.5-20 Figures 5.5-4, 5.5-5, 5.5-6, 5.5-7, 5.5-10	Yes	
Appendix B (g) (14) (D)	A description of pre-, and post-construction runoff and drainage patterns, including:			
Appendix B (g) (14) (D) (i)	Precipitation and storm runoff patterns; and	p. 5.5-6 to 5.5-7	No	Please provide a diagram of storm runoff patterns and site drainage at HBGS that clearly identifies all drainage facilities and flows.
Appendix B (g) (14) (D) (ii)	Drainage facilities and design criteria.	Sect. 5.5.1.1.4 Fig. 5.5-6	No	Please provide a discussion of the design criteria for the drainage facilities, including the retention basins.
Appendix B (g) (14) (E)	An assessment of the effects of the proposed project on water resources. This discussion shall include:	Sect. 5.5.2 Sect. 5.5.8		
Appendix B (g) (14) (E) (i)	The effects of project demand on the water supply and other users of this source;	Sect. 5.5.2.1 Table 5.5-11 to 5.5-20	No	Please provide a discussion of the potential impacts of the increase in project water demand on other users, including the City of Huntington Beach.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   x    
 Technical Area: **Water Resources**  
 Project Manager: Eileen Allen

## DATA ADEQUACY WORKSHEET

Project: Huntington Beach Generating Station  
Retool Project  
 Docket: 00-AFC-13

Revision No.   0   Date   12/12/00    
 Technical Staff: Lorraine White  
 Technical Senior: Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (14) (E) (ii)	The effects of construction activities and plant operation on water quality; and	Sect. 5.5.2.1 Fig. 5.5-8 Tables 5.5-21, 5.5-22	No	Please provide a discussion of the potential impacts associated with construction demand for water quality. In addition, please discuss any impacts associated with AES/Poseidon's proposed water desalination facility. Please provide a description of the thermal plume that will result from average and peak operations of the new and existing units.
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Tables 5.5-23, 5.5-24, 7.1-1	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Tables 5.5-24, 7.1-1	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	p. 3.4-7 Sect. 5.5.7 Sect. 7.5.5	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Sect. 5.5.5	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Sect. 5.5.7 Tables 5.5-24	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   x  

## DATA ADEQUACY WORKSHEET

Revision No.   0   Date   12/15/00  

Technical Area: **Worker Safety**

Project: Huntington Beach Generating Station  
Retool Project

Technical Staff: Rick Tyler

Project Manager: E.Allen

Docket: 00-AFC-13

Technical Senior: Rick Tyler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 5.17	Yes	
Appendix B (g) (11) (A)	A description of the safety training programs which will be required for construction and operation personnel.	Section 5.17.2.1.1.	Yes	
Appendix B (g) (11) (B)	A complete description of the fuel handling system and the fire suppression system.	Section 5.17.2.1.3	Yes	
Appendix B (g) (11) (C)	Provide draft outlines of the Construction Health and Safety Program and the Operation Health and Safety Program, as follows:  Construction Health and Safety Program: * Injury and Illness Prevention Plan (8 Cal. Code Regs., § 1509); * Fire Protection and Prevention Plan (8 Cal. Code Regs., § 1920); • Personal Protective Equipment Program (8 Cal. Code Regs., §§ 1514-1522) Operation Health and Safety Program: * Injury and Illness Prevention Program (8 Cal. Code Regs., § 3203); * Fire Prevention Plan (8 Cal. Code Regs., § 3221); * Emergency Action Plan (8 Cal. Code Regs., § 3220); * Personal Protective Equipment Program (8 Cal. Code Regs., §§ 3401-3411).	Section 5.17.2 Section 5.17.2 Section 5.17.2 Section 5.17.2 Section 5.17.2 Sections 5.17.2 Section 5.17.2	Yes Yes Yes Yes Yes Yes Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   x  

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SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 7.1.1	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 7.1.1	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 5.17.4	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 7.1.1	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.		No	Please provide a schedule, and specify permits required per Section 8, Calif. Code of Regulations.